



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/647,720  
Source: oip  
Date Processed by STIC: 9-3-03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER  
VERSION 4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND  
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name,  
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,  
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,  
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003



OIFE

## RAW SEQUENCE LISTING

DATE: 09/03/2003

PATENT APPLICATION: US/10/647,720

TIME: 10:51:22

Input Set : A:\21371-US SEQUENCE LISTING.txt

Output Set: N:\CRF4\09032003\J647720.raw

3 <110> APPLICANT: Christine Markert-Hahn  
 4 Dirk Block  
 6 <120> TITLE OF INVENTION: Improved Method for Bisulfite Treatment  
 8 <130> FILE REFERENCE: 21371-US  
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/647,720  
 11 <141> CURRENT FILING DATE: 2003-08-25  
 13 <150> PRIOR APPLICATION NUMBER: 02019097.1  
 14 <151> PRIOR FILING DATE: 2002-08-29  
 16 <160> NUMBER OF SEQ ID NOS: 1  
 18 <170> SOFTWARE: PatentIn Ver. 2.1  
 20 <210> SEQ ID NO: 1  
 21 <211> LENGTH: 4261  
 22 <212> TYPE: DNA  
 23 <213> ORGANISM: Homo sapiens  
 25 <220> FEATURE:  
 26 <221> NAME/KEY: misc\_signal  
 27 <222> LOCATION: (1156)..(1162)  
 28 <223> OTHER INFORMATION: transcription regulatory motif; putative  
 30 <220> FEATURE:  
 31 <221> NAME/KEY: GC\_signal  
 32 <222> LOCATION: (1169)..(1174)  
 34 <220> FEATURE:  
 35 <221> NAME/KEY: GC\_signal  
 36 <222> LOCATION: (1179)..(1184)  
 38 <220> FEATURE:  
 39 <221> NAME/KEY: TATA\_signal  
 40 <222> LOCATION: (1194)..(1198)  
 42 <220> FEATURE:  
 43 <221> NAME/KEY: exon  
 44 <222> LOCATION: (1225)..(1254)  
 46 <220> FEATURE:  
 47 <221> NAME/KEY: polyA\_signal  
 48 <222> LOCATION: (4041)..(4046)  
 50 <300> PUBLICATION INFORMATION:  
 51 <308> DATABASE ACCESSION NO: Genbank:M24485  
 52 <309> DATABASE ENTRY DATE: 2000-03-04  
 54 <300> PUBLICATION INFORMATION:  
 55 <303> JOURNAL: Gene  
 56 <304> VOLUME: 75  
 57 <305> ISSUE: 1  
 58 <306> PAGES: 3-11  
 59 <307> DATE: 1989  
 60 <308> DATABASE ACCESSION NO: Morrow et al.

**Does Not Comply**  
**Corrected Diskette Needed**

*<309> is mandatory  
 Is there is a  
 <308>.*

## RAW SEQUENCE LISTING

DATE: 09/03/2003

PATENT APPLICATION: US/10/647,720

TIME: 10:51:22

Input Set : A:\21371-US SEQUENCE LISTING.txt

Output Set: N:\CRF4\09032003\J647720.raw

## W--&gt; 62 &lt;300&gt; PUBLICATION INFORMATION:

63 &lt;310&gt; PATENT DOC NO: US5552277

64 &lt;311&gt; PATENT FILING DATE: 1994-07-19

65 &lt;312&gt; PUBLICATION DATE: 1996-09-03

67 &lt;400&gt; SEQUENCE: 1

```

68 aacaagagat caatatctag aataaatgga gatctgcaaa tcaacagaaa gtaggcagca 60
70 aagccaaaga aaatagccta aggcacagcc actaaaagga acgtgatcat gtcctttgca 120
72 gggacatggg tggagctgga agcogttagc ctacgcaaac tcacacagga acagaaaacc 180
74 agcgagaccg catggtctca cttataagtg ggagctgaac aatgagaaca catggtcaca 240
76 tggcggcgat caacacacac tgggtgcctgt tgagcggggg gctggggagg gagagtacca 300
78 ggaagaatag ctaagggata ctgggcttaa tacctgggtg atgggatgat ctgtacagca 360
80 aaccatcatg gcgcacacac ctatgtaaca aacctgcaca tcctgcacat gtaccccaga 420
82 acttcaaata aaagttggac ggccaggcgt ggtggctcac gcctgtaatc ccagcacttt 480
84 gggaagccga ggcgtgcaga tcacctaaag tcaggagttc gagaccagcc cggccaacat 540
86 ggtgaaaccc cgtctctact aaaaatacaa aaatcagcca gatgtggcac gcacctataa 600
88 ttccacctac tcgggaggct gaagcagaat tgcttgaacc cgagaggcgg aggttgagct 660
90 gagccgccga gatcgcgcca ctgcactcca gcctgggcca cagcgtgaga ctacgtcata 720
92 aaataaaaata aaataacaca aaataaaaata aaataaaaata aaataaaaata aaataaaa 780
94 ataaaaataa ataaaaataa ataaaaataa ataaagcaat ttcctttcct ctaagcggcc 840
96 tccaccctc tcccctgccc tgtgaagcgg gtgtgcaagc tccgggatcg cagcggctct 900
98 agggaatttc ccccgcgat gtcccgccgc gccagttcgc tgcgcacact tcgctcggt 960
100 cctcttcctg ctgtctgttt actccctagg ccccgctggg gacctgggaa agagggaag 1020
102 gcttccccgg ccagctgcgc ggcgactccg gggactccag ggcgcccctc tgcggccgac 1080
104 gcccggggtg cagcggccgc cggggctggg gccggcgagg gtccgcggga cctccagaa 1140
106 gagcggccgg cgcggtgact cagcactggg gccggagcgg gccggaccac ccttataagg 1200
108 ctcgagggcc gcgaggcctt cgct gga gtt tcg ccg ccg cag tct tcg cca 1251
110 cca gtgagtacgc gcggcccgct ccccggggat ggggctcaga gctcccagca 1304
112 tggggccaac ccgcagcatc aggcocgggc tcccggcagg gctcctcgcc cacctcgaga 1364
114 cccgggacgg gggcctaggg gaccagggac gtcccagtg ccgttagcgg ctttcagggg 1424
116 gcccgagcgg cctcggggag ggatgggacc cccggggcgg ggaggggggg caggctgcgc 1484
118 tcaccgcgcc ttggcctcct ccccggggt ccagcaaaact tttctttgtt cgtgagctg 1544
120 ccgccctaca ccgtggtcta tttcccagtt cgaggtagga gcatgtgtct ggcagggaag 1604
122 ggaggcaggg gctggggctg cagcccacag cccctcgccc acccgagag atccgaacc 1664
124 ccttatccct ccgtcgtgtg gcttttaccc cgggcctcct tcctgttccc cgcctctccc 1724
126 gccatgcctg ctccccgcc cagtgttgtg tgaaatcttc ggaggaacct gttacctgt 1784
128 tccctccctg cactcctgac cctccccgg gttgctgcga ggcggagtcg gcccggtccc 1844
130 cacatctcgt acttctccct ccccgaggc cgtgctgcgg cctgcgcat gctgctggca 1904
132 gatcagggcc agagctggaa ggaggaggtg gtgacgctgg agacgtggca ggagggtca 1964
134 ctcaaagcct cctgcgtaag tgacctgcc cgggcaaggg gagggggtgc tgggccttag 2024
136 ggggctgtga ctaggatcgg gggacgcca agctcagtc cctccctga gccatgcctc 2084
138 ccccaacagc tatacgggca gctcccacag ttcaggagc gagacctcac cctgtaccag 2144
140 tccaatacca tcctgcgtca cctgggcccgc acccttggtg agtcttgaac ctccaagtcc 2204
142 agggcaggca tgggcaagcc tctgcccccg gagccctttt gtttaaata gctgccccgc 2264
144 agccctctgg agtgaggaa actgagacc actgaggtta cgtagtttgc ccaaggtcaa 2324
146 gcctgggtgc ctgcaatcct tgccctgtgc caggctgcct cccagggtgc aggtgagctc 2384
148 tgagcacctg ctgtgtggca gtctctcct cttccacgca cctcctcttc cctcctccc 2444
150 aggctggggc tcacagacag cccctgggtt ggcccatccc cagtactgt gtgttgatca 2504
152 ggcgccagc cagcggcct gctcccctcc acccaacccc agggctctat gggaaggacc 2564
154 agcaggaggc agccctggtg gacatggtga atgacggcgt ggaggacctc cgctgcaaat 2624

```

## RAW SEQUENCE LISTING

DATE: 09/03/2003

PATENT APPLICATION: US/10/647,720

TIME: 10:51:22

Input Set : A:\21371-US SEQUENCE LISTING.txt

Output Set: N:\CRF4\09032003\J647720.raw

```

156 acatctccct catctacacc aactatgtga gcatctgcac caggggttggg cactgggggc 2684
158 tgaacaaaga aaggggcttc ttgtgccctc acccccctta cccctcaggt ggcttgggct 2744
160 gacccttct tgggtcaggg tgcaggggct gggtcagctc tgggccaggg gccaggggc 2804
162 ctgggacaag acacaacctg cacccttatt gcctgggaca tcaaccagcc aagtaacggg 2864
164 tcatgggggc gagtgcaagg acagagacct ccagcaactg gtggtttctg atctcctggg 2924
166 gtggcgaggg cttcctggag tagccagagg tggaggagga tttgtcgcca gtttctggat 2984
168 ggagtgctg gcacttttag ctgaggaaaa tatgcagaca cagagcacat ttggggacct 3044
170 gggaccagtt cagcagaggc agcgtgtgtg cgcgtgcgtg tgcgtgtgtg tgcgtgtgtg 3104
172 tgtgtacgt tgcatttgtg tcgggtgggt aaggagatag agatgggcgg gcagtaggcc 3164
174 caggtcccga aggccttgaa cccactgggt tggagtctcc taagggaat gggggccatt 3224
176 gagaagtctg aacagggctg tgtctgaatg tgaggtctag aaggatcctc cagagaagcc 3284
178 agctctaaag cttttgcaat catctggtga gagaaccag caaggatgga caggcagaat 3344
180 ggaatagaga tgagttggca gctgaagtgg acaggatttg gtactagcct ggttgtgggg 3404
182 agcaagcaga ggagaatctg ggactctggt gtctggcctg gggcagacgg ggggtgtctca 3464
184 ggggctggga gggatgagag taggatgata catggtggtg tctggcagga ggcgggcaag 3524
186 gatgactatg tgaaggcact gcccgggcaa ctgaagcctt ttgagaccct gctgtcccag 3584
188 aaccaggag gcaagacctt cattgtggga gaccaggtga gcatctggcc ccatgctgtt 3644
190 ccttcctcgc caccctctgc ttccagatgg acacaggtgt gagccatttg tttagcaaag 3704
192 cagagcagac ctaggggatg ggcttaggcc ctctgcccc aattcctcca gcctgctccc 3764
194 gctggctgag tccctagccc ccctgccctg cagatctcct tcgctgacta caacctgctg 3824
196 gacttgctgc tgatccatga ggtcctagcc cctggctgcc tggatgcgtt cccctgctc 3884
198 tcagcatatg tggggcgccct cagtgcgcgg cccaagctca aggccttcct ggcctcccct 3944
200 gagtacgtga acctcccat caatggcaac gggaaacagt gaggggttggg gggactctga 4004
202 gcgggaggca gagtttgccct tcctttctcc aggaccaata aaatttctaa gagagctact 4064
204 atgagcactg tgtttcctgg gacggggctt aggggttctc agcctcgagg tcggtgggag 4124
206 ggcagagcag aggactagaa aacagctcct ccagcacagt cagtggcttc ctggagccct 4184
208 cagcctggct gtgtttactg aacctcaca actagaagag gaagaaaaaa aaagagagag 4244
210 agaaacaaag agaaata 4261

```

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/647,720

DATE: 09/03/2003

TIME: 10:51:23

Input Set : A:\21371-US SEQUENCE LISTING.txt

Output Set: N:\CRF4\09032003\J647720.raw

L:10 M:270 C: Current Application Number differs, Replaced Application Number

L:62 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:1